

# TECHNICAL SPECIFICATIONS

PARAMETERS	DG MODELS
Duty (Standby/ Prime)	Prime
Rating(kVA) 50 HZ PRIME	10 kVA
Rated(kWe)50 HZ PRIME	8
Engine Model 50 HZ PRIME	2185GM-C2
No of Cylinders	2
No of Phases	1/3
Output Voltage (V)	230/415
Power Factor (lagging)	0.8
Current (A) (1Phase / 3Phase)	43.5/13.9
Frequency (Hz)/ RPM	50/1500
Governing class	A1
Starting system	12 V DC electrical
Fuel tank capacity	55
Genset Dimension (LxWxH \$\$\$) (mm) Approx.	1700 X 900 X 1250
Genset Weight (Kg), Appx	633

## ENGINE SPECIFICATION

Make / Series	Mahindra mPower
Power Output# (HP)	18
Aspiration	Naturally Aspirated
Bore x Stroke (mm)	88.9 x 110
Displacement (Lit)	1366
Fuel consumption @ 75% load (lit/hr) ^	2.4
Fuel consumption @ 100% load (lit/hr) ^	2.9
Lube oil specification	SAE15W40 CH4
Total lubrication system capacity (lit)	6
Lube Oil Consumption (lit/hr) \$	0.15% of Fuel Consumption
Lube oil change period (hrs.)	300 hrs. for Oil Top Up 600 hrs. for Oil change
Radiator coolant capacity (liter)	5.5

## ALTERNATOR

Make	CG/LS
Enclosure Type	IP23
Voltage regulation	+/- 1%
Class of insulation	Class H
Maximum Unbalanced Load across Phases	25%

All Specifications are at Standard NTP operating conditions

^ Considering 0.845 Specific Gravity of diesel, +5 % Tolerance

# Engine Power at 110 % load

Fuel -High Speed diesel (HSD IS 1460:2005)

\* Represent the Standby Ratings

\$ Considering 0.89 Specific Gravity of Oil

Engine Power will have ± 5 % Tolerance

\*\* For CG only 3 Phase Configuration available

\$\$\$Height Without Silencer